

	Department of Design and Construction	SPECIFICATION BULLETIN	SB 24-005
Title: STANDARD GREEN INFRASTRUCTURE SPECIFICATIONS			
Prepared: 8/2/2024		Approved: 8/2/2024	
Mohammad Mahmud, P.E. Director, Specifications	Date	How Sheen Pau, P.E. Associate Commissioner – Infrastructure Design	Date

APPLICABILITY:

- This Specification Bulletin (SB) is effective for projects advertised on or after 8/19/2024.

SUPERSEDEENCE:

- This SB supersedes the following SBs: **None.**

ATTACHMENTS:

1. *NYCDEP* STANDARD GREEN INFRASTRUCTURE SPECIFICATIONS (188 Pages)

The New York City Department of Environmental Protection Standard Green Infrastructure Specifications, Dated September 1, 2021, are hereby replaced with The New York City Department of Environmental Protection Standard Green Infrastructure Specifications, Dated August 1, 2024.

The attached change log is provided for convenience; the texts of the specifications govern.

For questions regarding this bulletin, please contact Richard Jones, jonesri@ddc.nyc.gov.

Change Log for Standard Green Infrastructure Specification Update 8/1/2024

SECTION	SUB-SECTION	Notes	Additions / Deletions
Throughout the Booklet	N/A		Formatting and Spelling updates Clarified languages Updated reference to NYCDOT STANDARD HIGHWAY SPECIFICATIONS current edition
Various New SECTIONS To Table of Contents	Throughout the Booklet	***	SECTION GI-PPCP PRECAST POROUS CONCRETE PANEL27 SECTION GI-PPCP-BXG — BIAXIAL GEOGRID39 SECTION GI-PPCP-CC — PPCP SYSTEM CAST-IN-PLACE CONCRETE CURB43 SECTION GI-PPCP-CCD — CAST-IN-PLACE CONCRETE CHECK DAM45 SECTION GI-PPCP-CH — PPCP SYSTEM CAST-IN-PLACE CONCRETE HEADER47 SECTION GI-PPCP-DC — STACKED DRAINAGE CELLS49 SECTION GI-PPCP-MG — MICROGRID54 SECTION GI-PPCP-MSFC – PPCP SYSTEM MODIFIED STEEL FACED CURB57 SECTION GI-PPCP-PL – PPCP SYSTEM STAY-IN-PLACE PANEL60 SECTION GI-PPCP-SFCC — PPCP SYSTEM STEEL FACED CAST-IN-PLACE CONCRETE CURB62 SECTION 4.15P – RETRIEVING, STORING AND INSTALLING CITY PROVIDED TOPSOIL113 SECTION GI-6.70-A – MAINTENANCE AND PROTECTION OF TRAFFIC159
[WORKS NOT PAID] SECTION GI-1.06 GENERAL CONDITIONS FOR GREEN INFRASTRUCTURE WORKS	GI-1.06.6	***	Added text " This assists with conveying water on streets with steeper slopes, reduces debris from flowing onto the soil bed..."
SECTION GI-R-1 FINAL RECORD DOCUMENTS FOR GREEN INFRASTRUCTURE ASSETS	GI-R-1.6(H) + (I)	***	(H) The Contractor must submit the As-Built for review and approval by the Engineer within 60 days of Substantial Completion. (I) Once the As-Built set has been approved by DEP and the Engineer, the Contractor must provide a signed and stamped final ‘clean’ copy of this As-Built set within 60 days which must comply with the following:

Change Log for Standard Green Infrastructure Specification Update 8/1/2024

SECTION	SUB-SECTION	Notes	Additions / Deletions
SECTION GI-6.70 MAINTENANCE AND PROTECTION OF TRAFFIC	ENTIRE NEW SECTION/TEXT	PRICE TO COVER Changed from EACH to LUMP SUM	REPLACE WITH NEW ITEM# GI-6.70-A – now PAID Lump Sum instead of Each
SECTION GI-PPCP PRECAST POROUS CONCRETE PANEL	GI-PPCP.4(N) MAINTENANCE	Per DEP's R&D Updated Months for Maintenance	<ul style="list-style-type: none"> •At the end of Spring, to remove pollen and flowers, typically May-June •At the end of Autumn, to remove fallen leaves, typically November-December
SECTION GI-PPCP-CCD CAST-IN-PLACE CONCRETE CHECK DAM	GI-PPCP-CCD.4	Added where to Measure & Deleted "yard"	The quantity of CAST-IN-PLACE CONCRETE CHECK DAM to be measured for payment must be the number of SQUARE FEET installed at the site measured along the top of the check dam , in its final position, to the satisfaction of the Engineer. Measurement must be made to the nearest square feet installed
SECTION GI-PPCP-DC STACKED DRAINAGE CELLS	GI-PPCP-DC.3 REFERENCES	Added a New subsection #7	ASTM 1621 Standard Test Method for Compressive Properties of Rigid Cellular Plastics
SECTION GI-PPCP-DC STACKED DRAINAGE CELLS	GI-PPCP-DC.8(D) SUBMITTALS	Edit to subsection D	Contractor must submit manufacturer's product data, including compressive strength, service temperature and unit weight.
SECTION GI-PPCP-DC STACKED DRAINAGE CELLS	GI-PPCP-DC.9 (A) CHEMICAL AND PHYSICAL REQUIREMENTS	Edits to the text in (A)	Drainage cell units must be injection molded plastic cells stacked to form a minimum 85% void modular structure of predesigned height.

Change Log for Standard Green Infrastructure Specification Update 8/1/2024

SECTION	SUB-SECTION	Notes	Additions / Deletions
<p align="center">SECTION GI-PPCP-DC STACKED DRAINAGE CELLS</p>	<p align="center">GI-PPCP-DC.9 (A) CHEMICAL AND PHYSICAL REQUIREMENTS</p>	<p align="center">Updates to Table</p>	<p>Minimum 85% Void Added Minimums to Void and Surface Void Areas Updated ASTM D2412 Updated Maximum Cover to 11ft or More; deleted <16.7 Updated range of plastic to range to start at 6.45 lb/cf Clarified how "cover" is measured</p>
<p align="center">SECTION GI-PPCP-DC STACKED DRAINAGE CELLS</p>	<p align="center">GI-PPCP-DC.9 (B) CHEMICAL AND PHYSICAL REQUIREMENTS</p>	<p align="center">***</p>	<p>Added "warps, bends"</p>
<p align="center">SECTION GI-PPCP-DC STACKED DRAINAGE CELLS</p>	<p align="center">GI-PPCP-DC.9 (D).3 Backfilling</p>	<p align="center">***</p>	<p>Updated Numbering of Subsections Deleted : <i>at the specified moisture content to a minimum of 95% of the Standard Proctor Density or</i></p>
<p align="center">SECTION GI-PPCP-MG MICROGRID</p>	<p align="center">GI-PPCP-MG.3 SUBMITTALS</p>	<p align="center">***</p>	<p>Updated Lettering of Subsections</p>
<p align="center">SECTION GI-PPCP-PL STAY-IN-PLACE PANEL</p>	<p align="center">GI-PPCP-PL.3 Description</p>	<p align="center">***</p>	<p>Updated Lettering and numbering of Subsections</p>
<p align="center">SECTION GI-7.01-CC CLEANOUT COVER</p>	<p align="center">GI-7.01CC.5 Submittals</p>	<p align="center">***</p>	<p>Delete: " paint and primer to be used."</p>

Change Log for Standard Green Infrastructure Specification Update 8/1/2024

SECTION	SUB-SECTION	Notes	Additions / Deletions
SECTION GI-5.10 OW OBSERVATION WELL	GI-5.10 OW.5	***	" ... includes where applicable, manufacturer's descriptive literature, cut-sheets, end caps , lubricant, and installation instructions."
SECTION GI-7.01 CC – CLEANOUT COVER	GI-7.01CC.5	added text for clarity	Added: "where applicable, manufacturer's brochure, cut-sheets and installation instructions for paint and primer to be used